



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141248

Mode: Highway

Status: Submitted

NC-42

From/Cross Street: Dublin Rd

Specific Improvement Type: 1 - Widen Existing Roadway

To: US 64

Project Category: Regional Impact

Length: 0.51

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$7,457,000

Description:

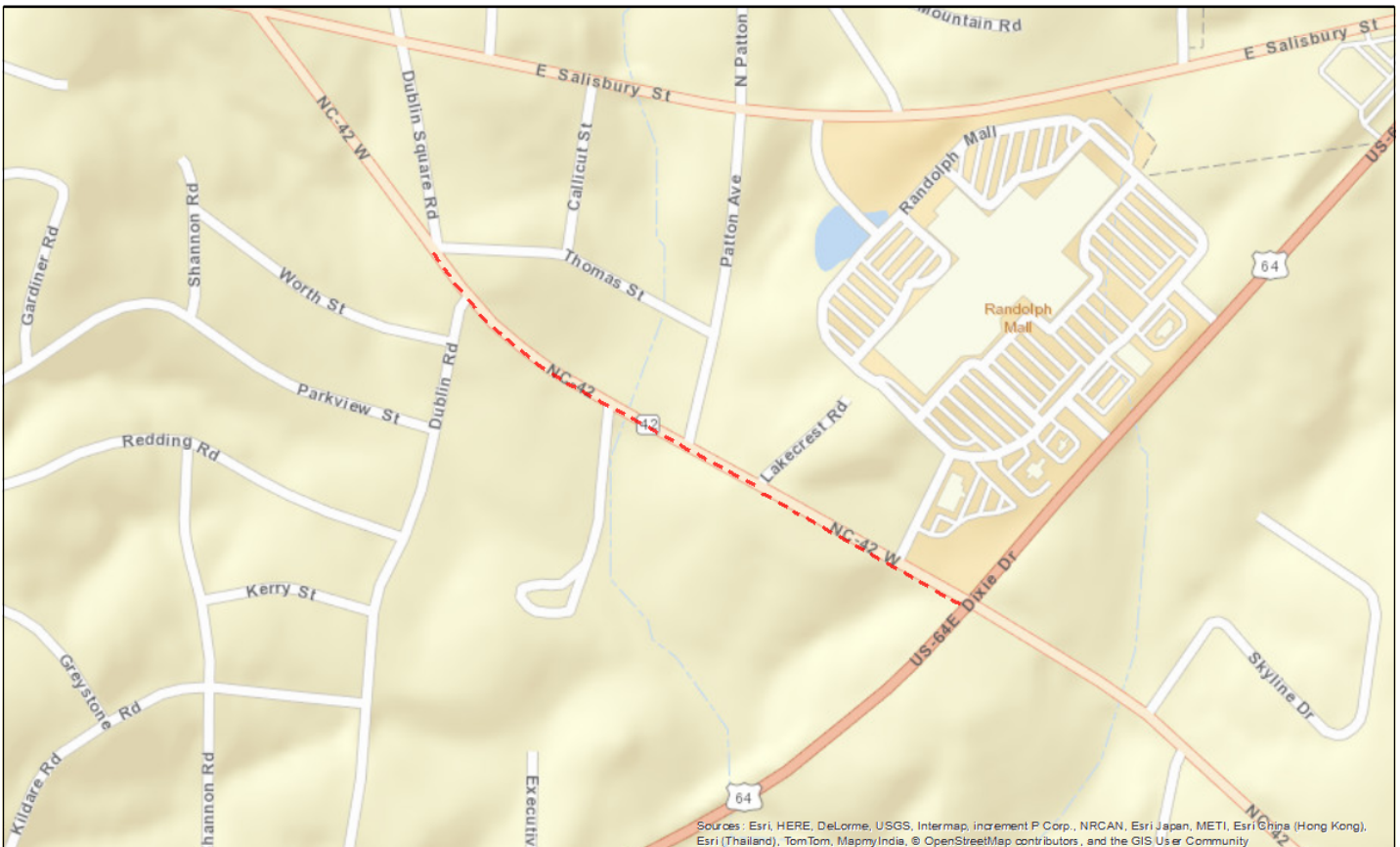
Widen to 4 lane divided with sidewalks, and re-align Dublin and Dublin Sq Rd

Division(s): Division 8

County(s): RANDOLPH

MPOS(s)/RPO(s): Piedmont Triad RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 51.44

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 49.55	Percent: 15%	Percent: 15%
Safety (10%) 80.08	Points: 100	Points: 100
[Travel Time] Benefit/Cost (25%) 1.01		
Accessibility / Connectivity (10%) 7.87		
Totals: Weight: 70% Weighted Score: 21.44		

Division Needs Total Score: 68.12

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 49.55	Percent: 25%	Percent: 25%
Safety (10%) 80.08	Points: 100	Points: 100
[Travel Time] Benefit/Cost (20%) 1.01		
Totals: Weight: 50% Weighted Score: 18.12		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	42
Length (miles):	0.51
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	11804.27
Capacity:	15800.19
Volume/Capacity Ratio:	0.75
% Autos:	98%
% Trucks:	2%
Truck Volume:	221.42
Crash Density:	80.09
Crash Severity:	80.09
Critical Crash Rate:	80.09
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	97
Actual Congested Speed:	31
Travel Time Index:	1.45

Project Benefits

Project Cross-Section:	4D - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, Bike Lanes, and Sidewalks
Speed Limit:	42
Length (miles):	0.51
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	336774.26
Travel Time Savings for 30 Years (Autos):	330457.24
Travel Time Savings for 30 Years (Trucks):	6317.02
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Piedmont Triad RPO

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 8	100%	100	100
	0%	0	0
	0%	0	0
TOTAL Division Points		100	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Piedmont Triad RPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$6,056,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,251,000	Cost Estimation Tool
Utilities Cost:	\$150,000	Cost Estimation Tool
Total Project Cost:	\$7,457,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$7,457,000	